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UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE  
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May 28, 2004

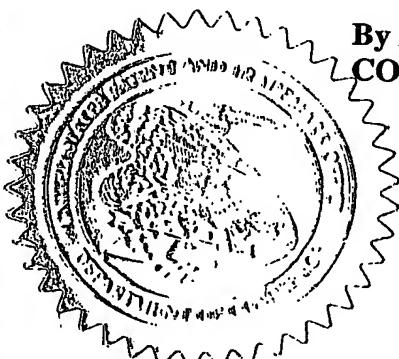
THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM  
THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK  
OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT  
APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A  
FILING DATE.

APPLICATION NUMBER: 60/458,490

FILING DATE: *March 28, 2003*

RELATED PCT APPLICATION NUMBER: *PCT/US04/09610*

By Authority of the  
COMMISSIONER OF PATENTS AND TRADEMARKS

  
  
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3-31 60/458490 03/28/03 PROV

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## PROVISIONAL APPLICATION COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION under 37 CFR 1.53(c).

DOCKET NUMBER: B01075.70041  
Express Mail Label No. EV 208 517 811 US  
Date of Deposit: March 28, 2003

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60/458490  
03/28/03

### INVENTOR(S)/APPLICANT(S)

LAST NAME	FIRST NAME	MIDDLE INITIAL	RESIDENCE (CITY AND EITHER STATE OR FOREIGN COUNTRY)
Stevens-Wright	Debbie		North Andover, MA

Additional inventors are being named on the separately numbered sheets attached hereto.

### TITLE OF THE INVENTION (280 characters max)

ELECTROPHYSIOLOGY CATHETER ALLOWING ADJUSTMENT BETWEEN ELECTRODE AND TISSUE GAP

### CORRESPONDENCE ADDRESS

CUSTOMER NUMBER:  23628

### ENCLOSED APPLICATION PARTS (check all that apply)

Specification - Number of Pages = 2

Drawing(s) - Number of Sheets

Application Data Sheet, See 37 CFR 1.76

Return receipt postcard

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

No

Yes, the name of the U.S., Government Agency and the Government Contract Number are:

Other: \_\_\_\_\_

### METHOD OF PAYMENT (check all that apply)

A check is enclosed to cover the Provisional Filing Fees.

The Commissioner is hereby authorized to charge any additional fees or credit overpayment to Deposit Account 23/2825. A duplicate of this sheet is enclosed.

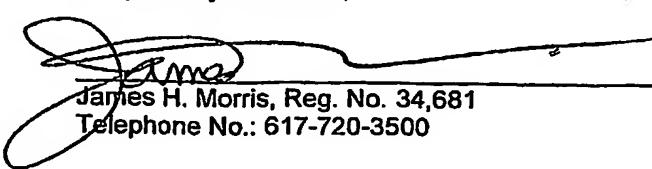
Small Entity Status is claimed.

PROVISIONAL FILING FEE AMOUNT

\$ 160.00

Respectfully submitted,

March 28, 2003  
Date

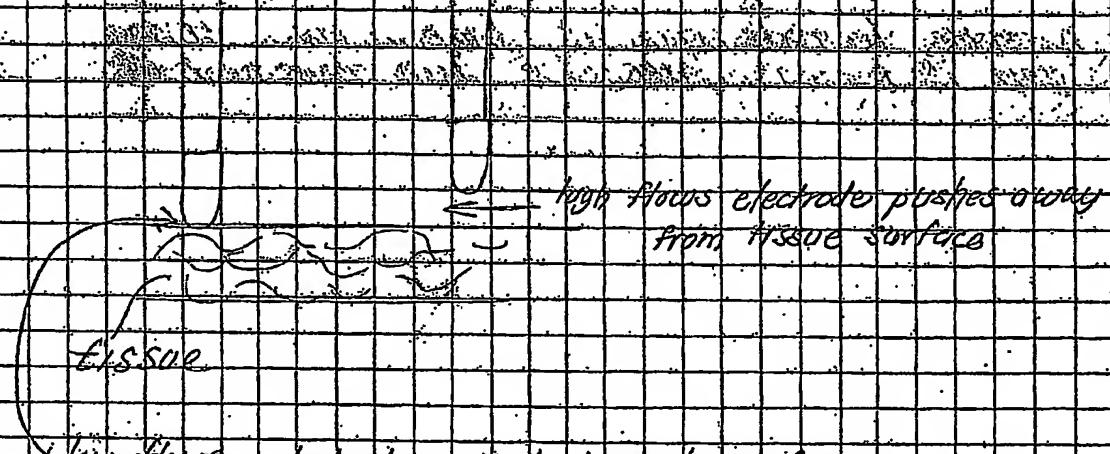
  
James H. Morris, Reg. No. 34,681  
Telephone No.: 617-720-3500

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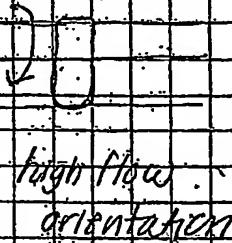
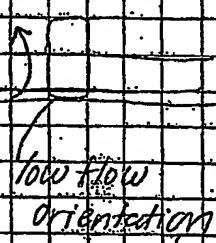
TITLE

From Page No.

An analysis of a suspended cuppy design showed that moving the electrode into the fluid from an upward lesion depth of 10 to higher flows, but at lower flow, this position did not improve lesion depth. It is difficult to move the electrode to higher flows, therefore, in higher flows. It would be advantageous to have a self-flip mechanism that allowed the gap between the electrode and tissue to be increased in high flow situations.



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TITLE *Biostimulator, allowing adjustment of  
pulse repetition and pulse widths*

From Page No.

*base**high profile  
placement*

movable electrode adjacent, that allows tissue/electrode  
gap to increase/decrease with movement of electrode

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